

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 1146-4 DIV	SERIAL NO. 09/447,227
	APPLICANT Shults et al.	CONFIRMATION NO.
	FILING DATE November 22, 1999	GROUP 1744

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,353,888	10/12/82	Selfton			
	4,431,004	02/14/84	Bessman et al.			
	4,436,094	03/13/84	Cerami			
	4,484,987	11/27/84	Gough			
	4,686,044	08/11/87	Behnke et al.			
	4,703,756	11/03/87	Gough et al.			
	4,757,022	07/12/88	Shults et al.			
	4,787,398	11/29/88	Garcia et al.			
	4,803,243	02/07/89	Fujimoto et al.			
	4,823,808	04/25/89	Clegg et al.			
	4,902,294	02/20/90	Gosserez			
	4,994,167	02/19/91	Shults et al.			
	5,190,041	03/02/93	Palti			
	5,314,471	05/24/94	Brauker et al.			
	5,321,414	06/14/94	Alden et al.			
	5,344,454	09/06/94	Clarke et al.			
	5,380,536	01/10/95	Hubbell et al.			
	5,417,395	05/23/95	Fowler et al.			

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All references considered except where lined through RLN.

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		5,421,923	06/06/95	Clarke et al.			
		5,431,160	07/11/95	Wilkins			
		5,453,278	09/26/95	Cham et al.			
		5,462,064	10/31/95	D'Aneglo et al.			
		5,469,846	11/28/95	Khan			
		5,476,094	12/19/95	Allen et al.			
		5,497,772	03/12/96	Schulman et al.			
		5,545,223	08/13/96	Neuenfeldt et al.			
		5,549,675	08/23/96	Neuenfeldt et al.			
		5,569,462	10/29/96	Martinson et al.			
		5,578,463	11/26/96	Berka et al.			
		5,593,440	01/14/97	Brauker et al.			
		5,653,756	08/05/97	Clarke et al.			09/02/94
		5,660,163	08/26/97	Schulman et al.			05/18/95
		5,713,888	02/03/98	Neuenfeldt et al.			06/05/95
		5,733,336	03/31/98	Neuenfeldt et al.			03/30/95
		5,741,330	04/21/98	Brauker et al.			06/07/95
		5,782,912	07/21/98	Brauker et al.			03/17/94
		5,800,529	09/01/98	Brauker et al.			06/07/95
		5,807,406	09/15/98	Brauker et al.			06/07/95

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		5,882,354	03/16/99	Brauker et al.			10/07/94
		5,964,261	10/12/99	Neuefeldt et al.			06/07/95
		6,122,536	09/19/00	Sun et al			
		6,208,894	03/27/01	Schulman et al.			
		6,212,416	04/03/01	Ward et al.			
		6,256,522B1	07/03/01	Schultz			08/17/95
		6,259,937	07/10/01	Schulman et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	WO 90/00738	01/25/90	PCT				
	WO 92/07525	05/14/92	PCT				
	WO 92/13271	08/06/92	PCT				
	WO 94/22357	10/13/94	PCT				
	WO 96/01611	01/25/96	PCT				
	WO 96/32076	10/17/96	PCT				
	WO 96/36296	11/21/96	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Updike et al., "Laboratory Evaluation of New Reusable Blood Glucose Sensor," <i>Diabetes Care</i> , 11:801-807 (1988).
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		Moatti-Sirat et al., "Towards Continuous Glucose Monitoring: In Vivo Evaluation of a Miniaturized Glucose Sensor Implanted for Several Days in Rate Subcutaneous Tissue," <i>Diabetologia</i> 35:224-30 (1992).
		Armour et al., "Application of Chronic Intravascular Blood Glucose Sensor in Dogs," <i>Diabetes</i> 39:1519-26 (1990).
		Woodward, "How Fibroblasts and Giant Cells Encapsulate Implants: Considerations in Design of Glucose Sensor," <i>Diabetes Care</i> 5:278-281 (1982).
		Bindra et al., "Design and In Vitro Studies of a Needle-Type Glucose Sensor for Subcutaneous Monitoring," <i>Anal. Chem.</i> 63:1692-96 (1991).
		Shults et al., A Telemetry-Instrumentation System for Monitoring Multiple Subcutaneously Impaired Glucose Sensors, <i>IEEE Trans, Biomed. Eng.</i> 41:937-942 (1994).
		Phillips and Smith, "Biomedical Applications of Polyurethanes: Implications of Failure Mechanisms," <i>J. Biomat. Appl.</i> 3:202-227 (1988).
		Stokes, "Polyether Polyurethanes: Biostable or Not?," <i>J. Biomat. Appl.</i> 3:228-259 (1988).
		Urdike et al. Enzymatic Glucose Sensors: Improved Long-Term Performance In Vitro and In Vivo, <i>Am.Soc. Artificial Internal Organs</i> 40:157-163 (1994).
		Urdike et al., Implanting the Glucose Enzyme Electrode: Problems, Progress, and Alternative Solutions," <i>Diabetes Care</i> 5:207-21 (1982).
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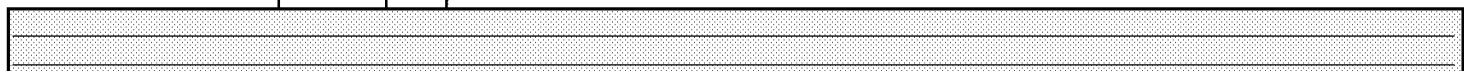
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			Tse and Gough, Time-Dependent Inactivation of Immobilized Glucose Oxidase and Catalase, <i>Biotechnol. Bioeng.</i> 29:705-713 (1987).
			Gilligan et al., "Evaluation of a Subcutaneous Glucose Sensor Out to 3 Months in a Dog Model," <i>Diabetes Care</i> 17:882-887 (1994).
			McKean and Gough, "A Telemetry-Instrumentation System for Chronically Implanted Glucose and Oxygen Sensors," <i>IEEE Trans. Biomed. Eng.</i> 35:526-532 (1988).
			Shichiri et al., "Telemetry Glucose Monitoring Device with Needle-Type Glucose Sensor-A Useful Tool for Blood Glucose Monitoring in Diabetic Individuals," <i>Diabetes Care</i> 9:298-301 (1986).
			Lyman, "Polyurethanes. I. The Solution Polymerization of Diisocyanates with Ethylene Glycol," <i>J. Polymer Sci.</i> 45:49 (1960).
			DuPont ¹ Dimension AR® (Catalog). 1998



			Fischer et al., "Oxygen Tension at the Subcutaneous Implantation Site of Glucose Sensors," <i>Biomed. Biochem.</i> 11/12, 965-972 (1989).
			Brauker et al., "Neovascularization of Synthetic Membranes Directed by Membrane Microarchitecture," <i>Journal of Biomedical Materials Research</i> 29:1517 (1995).
			Abstract presented by James Brauker, Ph.D., "Neovascularization of Cell Transplantation Devices: Membrane Architecture-Driven and Implanted Tissue-Driven Vascularization," Baxter Healthcare Corp. winter 2001

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		Brauker et al., "Local Inflammatory Response Around Diffusion Chambers Containing Xenografts", Transplantation, Vol. 61, 1671-1677, No. 12, June 27, 1996.
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/Robert L. Nasser jr./

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09/08/2010

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